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- **Liquid and gas mixtures** separator - has spherical porous filter elements coated with semipermeable membrane.

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Apparatus for dividing **liquid and gas mixtures** using semipermeable membranes e.g. the **cleaning** of sewage (effluent) and exit gases, etc. including a body with filter elements each made from a porous layer and the membrane, and manifolds to collect and withdraw the components of the separated liquid and gas. The surfaces of the semipermeable membranes are increases per unit of volume of the apparatus, by making the porous layer as hollow spheres with semipermeable membrane material coated on their outer surface.

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